

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electrolyte layer for a fuel cell comprising:
a compact substrate ~~through which passes a gas supplied to the~~
~~electrochemical reaction, wherein the substrate includes~~having hydrogen-permeability;
a porous layer ~~with fine pores that~~having pores, wherein the porous layer is
inorganic and comprises a thin film, multiple layered porous body that is directly formed on
the substrate; and
an inorganic electrolyte having proton-conductivity and supported in the pores,
wherein the electrolyte includes ~~proton conductivity and~~ a solid acid.

2-4. (Canceled)

5. (Previously Presented) A fuel cell comprising:
an electrolyte layer for a fuel cell according to Claim 1, and
an electrode disposed adjacent to the porous layer, on the side opposite the
substrate.

6. (Currently Amended) A method of manufacturing an electrolyte layer for a
fuel cell, the method comprising:

preparing a compact substrate ~~through which passes a gas supplied to the~~
~~electrochemical reaction; wherein the substrate includes~~having hydrogen-permeability;
forming, directly on the substrate, a porous layer ~~with fine pores on the~~
~~substrate;~~having pores, wherein the porous layer is inorganic and comprises a thin film,
multiple layered porous body; and
supporting an inorganic electrolyte having proton-conductivity in the pores,
including:

introducing a solution of a solid acid into the pores of the porous layer,
and

drying the porous layer containing the ~~solution~~, solution.

~~wherein the electrolyte includes proton conductivity.~~

7-8. (Canceled)

9. (Currently Amended) The electrolyte layer for a fuel cell according to Claim 1,
wherein the electrolyte layer further comprises palladium.

10. (Currently Amended) The method of manufacturing an electrolyte layer for a
fuel cell according to Claim 6, wherein the electrolyte layer further comprises palladium.

11. (New) An electrolyte layer for a fuel cell comprising:
a compact substrate having oxygen-permeability;
a porous layer having pores, wherein the porous layer is inorganic and
comprises a thin film, multiple layered porous body that is directly formed on the substrate;
and

an inorganic electrolyte having oxide-conductivity and supported in the pores.